OL.
.8
983

ALCOHOL AND ALCOHOLISM

International Journal of the Medical Council on Alcoholism

VOLUME CONTENTS AND AUTHOR INDEX,
VOLUME 18, 1983

PERGAMON PRESS

Oxford • New York • Toronto • Sydney • Paris • Frankfurt

ALCOHOL AND ALCOHOLISM

The International Journal of the Medical Council on Alcoholism

Formerly the British Journal on Alcohol and Alcoholism

Editor: ALLAN D. THOMSON, 64 Lee Park, Blackheath, London SE3 9HZ, U.K.
Deputy Editor: ABDULLA A.-B. BADAWY, Addiction Unit Research Laboratory, Whitchurch Hospital, Cardiff CF4 7XB, U.K.
Assistant Editor: J. S. MADDEN, Psychiatric Wing, West Cheshire Hospital, Liverpool Road, Chester CH1 3ST, U.K.
Editorial Assistant: WENDY HOWARD
Production Controller: HAZEL COLEMAN

Editorial Advisory Board

D. Altman (*Northwick Park, U.K.*)
I. A. Anokhina (*Moscow, U.S.S.R.*)
Sir Francis Avery Jones (*Pulborough, U.K.*)
H. S. Bachelard (*London, U.K.*)
H. Baker (*New Jersey, U.S.A.*)
A. D. Bangham (*Cambridge, U.K.*)
H. Begleiter (*New York, U.S.A.*)
F. E. Bloom (*San Diego, U.S.A.*)
D. N. Brindley (*Nottingham, U.K.*)
M. R. A. Chance (*Birmingham, U.K.*)
R. Deitrich (*Colorado, U.S.A.*)
J. W. T. Dickerson (*Guildford, U.K.*)
J. Ebie (*Benin City, Nigeria*)
G. H. Elder (*Cardiff, U.K.*)
C. J. Peter Eriksson (*Helsinki, Finland*)
M. Evans (*Cardiff, U.K.*)
S. Gitlow (*New York, U.S.A.*)
M. Glatt (*London, U.K.*)
Dora B. Goldstein (*Stanford, U.S.A.*)
Sir Abraham Goldberg (*Glasgow, U.K.*)
M. Grant (*London, U.K.*)
R. Hoffenberg (*London, U.K.*)
B. D. Hore (*Manchester, U.K.*)
A. L. Johnson (*Cambridge, U.K.*)
R. E. Kendell (*Edinburgh, U.K.*)
N. Kessel (*Manchester, U.K.*)
K. Kuriyama (*Kyoto, Japan*)
C. M. Leevy (*Newark, U.S.A.*)
B. E. Leonard (*Galway, Eire*)
C. S. Lieber (*New York, U.S.A.*)
J. Littleton (*London, U.K.*)
S. Lock (*London, U.K.*)
M. S. Losowsky (*Leeds, U.K.*)
V. Marks (*Guildford, U.K.*)
J. R. Moon (*Melbourne, Australia*)
R. Nordmann (*Paris, France*)
D. V. Parke (*Guildford, U.K.*)
M. Plant (*Edinburgh, U.K.*)
C. I. Pogson (*Manchester, U.K.*)
O. Pratt (*London, U.K.*)
E. B. Ritson (*Edinburgh, U.K.*)
D. Robinson (*Hull, U.K.*)
R. Room (*Berkeley, U.S.A.*)
S. B. Rosalki (*London, U.K.*)
E. Rubin (*Philadelphia, U.S.A.*)
M. Sandler (*London, U.K.*)
Dame Sheila Sherlock (*London, U.K.*)
G. K. Shaw (*London, U.K.*)
T. F. Slater (*Uxbridge, U.K.*)
M. Sorrell (*Nebraska, U.S.A.*)
P. S. J. Spencer (*Cardiff, U.K.*)
B. Tabakoff (*Chicago, U.S.A.*)
A. P. Thorley (*Newcastle, U.K.*)
R. G. Thurman (*Chapel Hill, U.S.A.*)
K. F. Tipton (*Dublin, Ireland*)
D. H. Van Thiel (*Pittsburg, U.S.A.*)
J.-P. von Wartburg (*Bern, Switzerland*)
Roger Williams (*London, U.K.*)
D. H. Williamson (*Oxford, U.K.*)
R. Wright (*Southampton, U.K.*)
R. H. Ylikahri (*Helsinki, Finland*)

MCA Officers

President:
Sir Thomas Holmes Sellors
Vice-Presidents:
The Rt Hon. Lord Amulree
R. W. Chadburn
Bruce McNeil
Sir Noel Moynihan
Barry Richards
John Warrington
Chairman:
Sir Reginald Murley
Vice-Chairmen:
M. M. Glatt
Professor H. C. Stewart
Executive Director:
Hugh Gough-Thomas
Secretary and Treasurer:
F. H. Trory
Immediate Past President:
The Rt Hon. Lord Porritt

Patrons

Professor Sir Hedley J. Atkins
The Rt Hon. Lord Hill of Luton

Aims and Scope – It is the policy of *Alcohol and Alcoholism* to publish papers in English on biomedical, psychological and sociological aspects of alcoholism and alcohol research, provided that they make a new and significant contribution to knowledge in the field and areas thereof concerned. Papers may include new results obtained experimentally, descriptions of new experimental (including clinical) methods of importance to the field of alcohol research and treatment, or new interpretations of existing results. Theoretical contributions, particularly in the areas of sociology and psychology, will be considered equally with papers dealing with experimental work provided that such theoretical contributions are not of a largely speculative or philosophical nature.

Submission of Manuscripts – All manuscripts should be sent to the Editor, Dr Allan D. Thomson, at the address given above. Before preparing their contributions, authors are requested to study the Instructions to Authors which are published in each issue of the Journal. (Copies of these instructions are available from the Editor.)

Annual Subscription Rates (1984) – Published quarterly.

For libraries, university departments, research establishments and all other multiple reader institutions the subscription rate is US$75 per annum (including postage and insurance). Two-year rate US$142.50. Individual members of the Medical Council on Alcoholism may subscribe at the much reduced rate of £12.50 per annum. Subscription enquiries from customers in North America should be sent to the New York office and from the rest of the world to the Oxford office (see below for addresses).

Current subscriptions are available on microfiche simultaneously with the paper edition and on microfilm on completion of the annual index at the end of the subscription year.

Publishing and Advertising Offices – Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, U.K.; Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, U.S.A.

Copyright © 1983 Medical Council on Alcoholism

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher, if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organisations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

Photocopying Information for Users in the U.S.A.

The Item-Fee Code for this publication indicates that authorization to photocopy items for internal or personal use is granted by the copyright holder for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid. The appropriate remittance of $3.00 per copy per article is paid directly to the Copyright Clearance Center Inc., 21 Congress Street, Salem, MA 01970, U.S.A. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for such copying. In case of doubt please contact your nearest Pergamon office.

The Item-Fee Code for this publication is: 0309–1635/83 $3.00 + 0.00.

PERGAMON PRESS

Headington Hill Hall,
Oxford OX3 0BW, U.K.

Maxwell House, Fairview Park,
Elmsford, NY 10523, U.S.A.

LIST OF CONTENTS
VOLUME 18

OL.
18
983

Number 1

Sir Reginald Murley	1	Introduction
Allan D. Thomson	3	Editorial
Charles S. Lieber	5	Precursor lesions of cirrhosis
Irina P. Anokhina, Oleg S. Brusov, Nikolai V. Nechaev, Alexander M. Balashov, Nikolai A. Beliaev and Leonid F. Panchenko	21	Effect of acute and chronic ethanol exposure on the rat brain opiate receptor function
Allan D. Thomson, P. R. Ryle and G. K. Shaw	27	Ethanol, thiamine and brain damage
John Greenwood, E. Roy Love and Oliver E. Pratt	45	The effects of alcohol or of thiamine deficiency upon reproduction in the female rat and fetal development
Collins E. Lewis, C. Robert Cloninger and John Pais	53	Alcoholism, antisocial personality and drug use in a criminal population
Stefan Borg, Hans Kvande and Göran Sedvall	61	Monoamine metabolites in lumbar cerebrospinal fluid and urine in alcoholic patients before and after treatment with disulfiram
Ted Myers	67	Corroboration of self-reported alcohol consumption – a comparison of the accounts of a group of male prisoners and those of their wives/cohabitees
Hélène Rouach, Marie-Anne Petit, Joseph Nordmann and Roger Nordmann	75	4-Hydroxypyrazole: effect on glutathione levels and on the incorporation of L-[U-^{14}C]valine into protein in isolated rat hepatocytes
David K. Damkot, Raymond S. Kirk and M. Stephen Huntley, Jr	81	Influences of alcohol, monetary incentive and visual interruption upon control use during automobile driving
Letter to the Editor		
A. D. Redmond	89	Blood alcohol concentration and conscious level
	93	Book Reviews

Number 2

Allan D. Thomson, P. R. Ryle, M. J. World and G. K. Shaw	95	Editorial
Sheila Sherlock	99	Current problems in alcoholic liver disease

Number 2 cont.

L. Stowell, A. Stowell and J. Mørland	119	Increase in rat liver tryptophan oxygenase activity after acute ethanol treatment: dependence on feeding state and route of ethanol administration
Rolf Teschke, Manfred Minzlaff, Hubert Oldiges and Hartmut Frenzel	129	Alcohol consumption and tumor incidence due to dimethylnitrosamine administration
P. P. Aitken and G. Jahoda	135	An observational study of young adults' drinking groups – I. Drink preferences, demographic and structural variables as predictors of alcohol consumption
Rolf Teschke, Fernando Moreno, Edgar Heinen, Jörg Herrmann, Hans-Ludwig Krüskemper and Georg Strohmeyer	151	Is there any evidence for the existence of a hyperthyroid hepatic state following chronic alcohol intake?
L. M. Brown, A. E. Rowe, P. R. Ryle, S. K. Majumdar, D. Jones, A. D. Thomson and G. K. Shaw	157	Efficacy of vitamin supplementation in chronic alcoholics undergoing detoxification
David Robinson	167	The growth of Alcoholics Anonymous
Göran Wahlström	173	The effect of weekly exposures on the voluntary intake of ethanol in individual rats
D. N. Bhattacharyya and M. O. Rake	181	Correlation of alcohol consumption with liver damage in men and women
	185	Book Reviews
	187	Announcements

Number 3

J. B. Saunders and Roger Williams	189	Review – The genetics of alcoholism: is there an inherited susceptibility to alcohol-related problems?
Keith F. Tipton, John M. McCrodden, Donald G. Weir and Kevin Ward	219	Isoenzymes of human liver alcohol dehydrogenase and aldehyde dehydrogenase in alcoholic and non-alcoholic subjects
D. J. Murphy, G. K. Shaw and I. Clarke	227	Tiapride and chlormethiazole in alcohol withdrawal: a double-blind trial
Peter R. Ryle, Anne Broillet, Daniel Perrissoud, J. Chakraborty and Allan D. Thomson	239	A comparative study of the effects of (+)-catechin and 3-palmitoyl-(+)-catechin on alcoholic fatty liver in the rat

Number 3 cont.

David Allen, M. Evans, J. Curtis Grove, M. R. Keen and B. N. C. Littlepage — 249 Youth consultations on alcohol and drug problems

Matti Välimäki, Matti Härkönen and Reino Ylikahri — 255 Serum ferritin and iron levels in chronic male alcoholics before and after ethanol withdrawal

Penelope M. S. Clark, R. Holder, Margaret Mullet and T. P. Whitehead — 261 Sensitivity and specificity of laboratory tests for alcohol abuse

Sarah Jolly and Jim Orford — 271 Religious observance, attitudes towards drinking, and knowledge about drinking, amongst university students

279 Book Reviews

281 Announcements

OL.
18
983

Number 4

BIOMEDICAL ASPECTS OF DRUG DEPENDENCE

Abdulla A.-B. Badawy — 283 Editorial

Anne Smith-Kielland, Lene Svendsen, Atle Bessesen and Jørg Mørland — 285 Effect of chronic ethanol consumption on *in vivo* protein synthesis in livers from female and male rats fed two different diet regimens

P. V. Taberner, J. W. Unwin and D. M. Connelly — 293 Metabolic factors controlling voluntary ethanol consumption in mice

Peter Kalix — 301 Mechanism of action of (−)cathinone, a new alkaloid from khat leaves

J. S. Madden — 305 Alcohol and drug dependence: areas of change or uncertainty

Matti Välimäki and Reino Ylikahri — 313 The effect of alcohol on male and female sexual function

Stefan Borg, Hans Kvande, Dick Mossberg and Göran Sedvall — 321 Central nervous noradrenaline metabolism in alcoholics during long-term abstinence

Jan M. Van Ree — 325 Neuropeptides and addictive behaviour

H. Mario Fraenkel, Gijsje Van Beek-Verbeek, Albert J. Fabriek and Jan M. Van Ree — 331 Desglycinamide^{9}-arginine^{8}-vasopressin and ambulant methadone-detoxification of heroin addicts

D. M. Wright and G. Clarke — 337 Opiates, neurohypophyseal hormones and water balance

W. Davies, J. P. Gonzalez, R. D. E. Sewell and P. S. J. Spencer — 343 The effects of some antidepressants on the induction of morphine dependence and the morphine withdrawal syndrome

Number 4 cont.

M. M. Ben-Sreti, J. P. Gonzalez and R. D. E. Sewell — 353 The influence of selective dopaminergic and cholinergic agonists and antagonists in precipitated opiate abstinence

Ian Hindmarch — 361 Measuring the side-effects of psychoactive drugs: a pharmacodynamic profile of alprazolam

Abdulla A.-B. Badawy and Myrddin Evans — 369 Opposite effects of chronic administration and subsequent withdrawal of drugs of dependence on the metabolism and disposition of endogenous and exogenous tryptophan in the rat

H. J. Little — 383 Recent advances in benzodiazepine pharmacology

i Volume Contents and Author Index, Volume 18, 1983

AUTHOR INDEX

Aitken, P. P. 135
Allen, D. 249
Anokhina, I. P. 21

Badawy, A. A.-B. 283, 369
Balashov, A. M. 21
Beliaev, N. A. 21
Ben-Sreti, M. M. 353
Bessesen, A. 285
Bhattacharyya, D. N. 181
Borg, S. 61, 321
Broillet, A. 239
Brown, L. M. 157
Brusov, O. S. 21

Chakraborty, J. 239
Clark, P. M. S. 261
Clarke, G. 337
Clarke, I. 227
Cloninger, C. R. 53
Connelly, D. M. 293

Damkot, D. K. 81
Davies, W. 343

Evans, M. 249, 369

Fabrick, A. J. 331
Fraenkel, H. M. 331
Frenzel, H. 129

Gonzalez, J. P. 343, 353
Greenwood, J. 45
Grove, J. C. 249

Härkönen, M. 255
Heinen, E. 151
Herrmann, J. 151
Hindmarch, I. 361
Holder, R. 261
Huntley, M. S. Jr. 81

Jahoda, G. 135
Jolly, S. 271
Jones, D. 157

Kalix, P. 301
Keen, M. R. 249
Kirk, R. S. 81
Krüskemper, H.-L. 151
Kvande, H. 61, 321

Lewis, C. E. 53
Lieber, C. S. 5
Little, H. J. 383
Littlepage, B. N. C. 249
Love, E. R. 45

Madden, J. S. 305
Majumdar, S. K. 157
McCrodden, J. M. 219
Minzlaff, M. 129
Moreno, F. 151
Mossberg, D. 321
Mørland, J. 119, 285
Mullet, M. 261
Murley, R. 1
Murphy, D. J. 227
Myers, T. 67

Nechaev, N. V. 21
Nordmann, J. 75
Nordmann, R. 75

Oldiges, H. 129
Orford, J. 271

Pais, J. 53
Panchenko, L. F. 21
Perrissoud, D. 239
Petit, M.-A. 75
Pratt, O. E. 45

Rake, M. O. 181
Redmond, A. D. 89
Robinson, D. 167
Rouach, H. 75
Rowe, A. E. 157
Ryle, P. R. 27, 95, 157, 239

Saunders, J. B. 189
Sedvall, G. 61, 321
Sewell, R. D. E. 343, 353
Shaw, G. K. 27, 95, 157, 227
Sherlock, S. 99
Smith-Keilland, A. 285
Spencer, P. S. J. 343
Stowell, A. 119
Stowell, L. 119
Strohmeyer, G. 151
Svendsen, L. 285

Taberner, P. V. 293
Teschke, R. 129, 151
Thomson, A. D. 3, 27, 95, 157, 239
Tipton, K. F. 219

Unwin, J. W. 293

Välimäki, M. 255, 313
Van Beek-Verbeek, G. 331
Van Ree, J. M. 325, 331

Wahlström, G. 173
Ward, K. 219
Weir, D. G. 219
Whitehead, T. P. 261
Williams, R. 189
World, M. J. 95
Wright, D. M. 337

Ylikahri, R. 255, 313

Printed in Great Britain by Express Litho Service (Oxford)

OL.
18
983